

Ann Hallemans

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,903
citations

346980

22
h-index

340414

39
g-index

99
all docs

99
docs citations

99
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of one dry needling session on pain, central pain processing, muscle co-contraction and gait characteristics in patients with knee osteoarthritis: a randomized controlled trial. <i>Scandinavian Journal of Pain</i> , 2022, 22, 396-409.	0.5	7
2	The impact of COVID-19 lockdown on the general health status of people with chronic health conditions in Belgium: a cross-sectional survey study. <i>Physiotherapy Theory and Practice</i> , 2022, , 1-16.	0.6	4
3	Independent walking and cognitive development in preschool children with Dravet syndrome. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 472-479.	1.1	12
4	The mechanics behind gait problems in patients with Dravet Syndrome. <i>Gait and Posture</i> , 2021, 84, 321-328.	0.6	7
5	Foot-floor contact pattern in children and adults with Dravet Syndrome. <i>Gait and Posture</i> , 2021, 84, 315-320.	0.6	2
6	Paving the Way Toward Distinguishing Fallers From Non-fallers in Bilateral Vestibulopathy: A Wide Pilot Observation. <i>Frontiers in Neurology</i> , 2021, 12, 611648.	1.1	4
7	An exploratory investigation on spatiotemporal parameters, margins of stability, and their interaction in bilateral vestibulopathy. <i>Scientific Reports</i> , 2021, 11, 6427.	1.6	10
8	Deconstructing Dravet syndrome neurocognitive development: A scoping review. <i>Epilepsia</i> , 2021, 62, 874-887.	2.6	9
9	The Relationship Between the Activities-Specific Balance Confidence Scale and Balance Performance, Self-perceived Handicap, and Fall Status in Patients With Peripheral Dizziness or Imbalance. <i>Otology and Neurotology</i> , 2021, 42, 1058-1066.	0.7	7
10	Decline in gait propulsion in older adults over age decades. <i>Gait and Posture</i> , 2021, 90, 475-482.	0.6	13
11	SWEAT2 study: effectiveness of trunk training on muscle activity after stroke. A randomized controlled trial. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2021, 57, 485-494.	1.1	0
12	Strength measurements in patients with Dravet Syndrome. <i>European Journal of Paediatric Neurology</i> , 2021, 35, 100-110.	0.7	1
13	Lower limb muscle synergies during walking after stroke: a systematic review. <i>Disability and Rehabilitation</i> , 2020, 42, 2836-2845.	0.9	31
14	Age-related differences in interlimb coordination during typical gait: An observational study. <i>Gait and Posture</i> , 2020, 81, 109-115.	0.6	6
15	Bilateral vestibulopathy and age: experimental considerations for testing dynamic visual acuity on a treadmill. <i>Journal of Neurology</i> , 2020, 267, 265-272.	1.8	9
16	Motor functions. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 173, 157-170.	1.0	5
17	A Systematic Review on Balance Performance in Patients With Bilateral Vestibulopathy. <i>Physical Therapy</i> , 2020, 100, 1582-1594.	1.1	14
18	An investigation of the spatio-temporal parameters of gait and margins of stability throughout adulthood. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200194.	1.5	27

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19	SWEAT2 Study: Effectiveness of Trunk Training on Gait and Trunk Kinematics After Stroke: A Randomized Controlled Trial. <i>Physical Therapy</i> , 2020, 100, 1568-1581.	1.1	10
20	Prospective cohort study on the predictors of fall risk in 119 patients with bilateral vestibulopathy. <i>PLoS ONE</i> , 2020, 15, e0228768.	1.1	30
21	Physics-Based Simulations to Predict the Differential Effects of Motor Control and Musculoskeletal Deficits on Gait Dysfunction in Cerebral Palsy: A Retrospective Case Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 40.	1.0	46
22	Reliability and concurrent validity of a modified timed up and go test for healthy preschoolers. <i>European Journal of Pediatrics</i> , 2020, 179, 1579-1586.	1.3	5
23	Trunk biomechanics during walking after sub-acute stroke and its relation to lower limb impairments. <i>Clinical Biomechanics</i> , 2020, 75, 105013.	0.5	11
24	Aging and the Relationship between Balance Performance, Vestibular Function and Somatosensory Thresholds. <i>Journal of International Advanced Otology</i> , 2020, 16, 328-337.	1.0	0
25	Aging and the Relationship between Balance Performance, Vestibular Function and Somatosensory Thresholds. <i>Journal of International Advanced Otology</i> , 2020, 16, 328-337.	1.0	10
26	SimCP: A Simulation Platform to Predict Gait Performance Following Orthopedic Intervention in Children With Cerebral Palsy. <i>Frontiers in Neurorobotics</i> , 2019, 13, 54.	1.6	40
27	Gait abnormalities in people with Dravet syndrome: A cross-sectional multi-center study. <i>European Journal of Paediatric Neurology</i> , 2019, 23, 808-818.	0.7	16
28	Clinical usefulness and challenges of instrumented motion analysis in patients with intellectual disabilities. <i>Gait and Posture</i> , 2019, 71, 105-115.	0.6	12
29	Gait deviations in patients with dravet syndrome: A systematic review. <i>European Journal of Paediatric Neurology</i> , 2019, 23, 357-367.	0.7	20
30	Posture normalisation of 3D body scans. <i>Ergonomics</i> , 2019, 62, 834-848.	1.1	14
31	The Timed Up and Go Test in Children: Does Protocol Choice Matter? A Systematic Review. <i>Pediatric Physical Therapy</i> , 2019, 31, 22-31.	0.3	12
32	Motor development in children with Dravet syndrome. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 950-956.	1.1	20
33	Standing balance in preschoolers using nonlinear dynamics and sway density curve analysis. <i>Journal of Biomechanics</i> , 2019, 82, 96-102.	0.9	7
34	Trunk Kinematics During Walking After Sub-acute Stroke. <i>Biosystems and Biorobotics</i> , 2019, , 774-778.	0.2	0
35	Feasibility of the clinical dynamic visual acuity test in typically developing preschoolers. <i>European Archives of Oto-Rhino-Laryngology</i> , 2018, 275, 1343-1348.	0.8	2
36	Postural control and the relation with cervical sensorimotor control in patients with idiopathic adult-onset cervical dystonia. <i>Experimental Brain Research</i> , 2018, 236, 803-811.	0.7	11

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37	Developmental changes in spatial margin of stability in typically developing children relate to the mechanics of gait. <i>Gait and Posture</i> , 2018, 63, 33-38.	0.6	22
38	Unravelling Motor Learning Processes in Theater Performers. <i>Motor Control</i> , 2018, 22, 134-148.	0.3	1
39	Is perception of visual verticality intact in patients with idiopathic cervical dystonia?. <i>Acta Neurologica Belgica</i> , 2018, 118, 77-84.	0.5	4
40	The effect of a single botulinum toxin treatment on somatosensory processing in idiopathic isolated cervical dystonia: an observational study. <i>Journal of Neurology</i> , 2018, 265, 2672-2683.	1.8	2
41	Age-related differences in muscle activity patterns during walking in healthy individuals. <i>Journal of Electromyography and Kinesiology</i> , 2018, 41, 124-131.	0.7	17
42	Dynamic Visual Acuity test while walking or running on treadmill: Reliability and normative data. <i>Gait and Posture</i> , 2018, 65, 137-142.	0.6	10
43	O 094â€“Paediatric reference data are needed to calculate Gait Profile Scores in children, regardless width of age categories. <i>Gait and Posture</i> , 2018, 65, 191-193.	0.6	1
44	RESPONSE TO WEAVER TS, SHAYMAN CS, HULLER TE. THE EFFECT OF HEARING AIDS AND COCHLEAR IMPLANTS ON BALANCE DURING GAIT. <i>OTOL NEUROTOL</i> 2017;38:1327â€“1332. <i>Otology and Neurotology</i> , 2018,0.7 39, 518-519.		0
45	P 055 - Gait Profile Scores indicate that gait deviations in children and young adults with Dravet Syndrome mainly manifest in transverse plane. <i>Gait and Posture</i> , 2018, 65, 323-324.	0.6	2
46	Age-related changes in arm motion during typical gait. <i>Gait and Posture</i> , 2018, 66, 51-57.	0.6	11
47	Do spatiotemporal parameters and gait variability differ across the lifespan of healthy adults? A systematic review. <i>Gait and Posture</i> , 2018, 64, 181-190.	0.6	157
48	The influence of a thoracolumbosacral orthosis on gait performance in healthy adults during walking. <i>Acta of Bioengineering and Biomechanics</i> , 2018, 20, 15-21.	0.2	0
49	Trunk biomechanics during hemiplegic gait after stroke: A systematic review. <i>Gait and Posture</i> , 2017, 54, 133-143.	0.6	70
50	Prognostic indicators for decrease in tinnitus severity after cervical physical therapy in patients with cervicogenic somatic tinnitus. <i>Musculoskeletal Science and Practice</i> , 2017, 29, 33-37.	0.6	18
51	Vestibular (dys)function in children with sensorineural hearing loss: a systematic review. <i>International Journal of Audiology</i> , 2017, 56, 361-381.	0.9	56
52	Effectiveness of additional trunk exercises on gait performance: study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 249.	0.7	14
53	Cervical sensorimotor control in idiopathic cervical dystonia: A cross-sectional study. <i>Brain and Behavior</i> , 2017, 7, e00735.	1.0	14
54	Independent domains of gait in adults: a comparison of different populations. <i>Gait and Posture</i> , 2017, 57, 219.	0.6	0

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55	Relations between age, step-time parameters and margin of stability during gait in typically developing children. <i>Gait and Posture</i> , 2017, 57, 162-163.	0.6	0
56	Associations between trunk and gait performance after stroke. <i>Gait and Posture</i> , 2017, 57, 179-180.	0.6	1
57	Gait and its components in typically developing preschoolers. <i>Gait and Posture</i> , 2017, 58, 300-306.	0.6	2
58	Do Performers's Experience and Sex Affect Their Performance?. <i>Motor Control</i> , 2017, 21, 227-245.	0.3	3
59	Playing Music May Improve the Gait Pattern in Patients with Bilateral Caloric Areflexia Wearing a Cochlear Implant: Results from a Pilot Study. <i>Frontiers in Neurology</i> , 2017, 8, 404.	1.1	14
60	Motor development in visually impaired children. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 114-114.	1.1	1
61	A Modified Version of the Timed Up and Go Test for Children Who Are Preschoolers. <i>Pediatric Physical Therapy</i> , 2016, 28, 409-415.	0.3	6
62	Does multi-modal cervical physical therapy improve tinnitus in patients with cervicogenic somatic tinnitus?. <i>Manual Therapy</i> , 2016, 26, 125-131.	1.6	34
63	Postural sway in children: A literature review. <i>Gait and Posture</i> , 2016, 49, 402-410.	0.6	75
64	Age-related changes in postural sway in preschoolers. <i>Gait and Posture</i> , 2016, 44, 116-122.	0.6	24
65	Physiological performing exercises by Jan Fabre: an additional training method for contemporary performers. <i>Theatre, Dance and Performance Training</i> , 2015, 6, 273-290.	0.1	2
66	Psychometric properties of functional balance tests in children: a literature review. <i>Developmental Medicine and Child Neurology</i> , 2015, 57, 521-529.	1.1	49
67	Exploring the Biomedical Paradigm in the Work of Jan Fabre. <i>Performance Research</i> , 2014, 19, 45-53.	0.2	4
68	Measurement of cervical sensorimotor control: The reliability of a continuous linear movement test. <i>Manual Therapy</i> , 2014, 19, 399-404.	1.6	11
69	Increased mechanical cost of walking in children with diplegia: The role of the passenger unit cannot be neglected. <i>Research in Developmental Disabilities</i> , 2012, 33, 1996-2003.	1.2	29
70	Mechanical energy estimation during walking: Validity and sensitivity in typical gait and in children with cerebral palsy. <i>Gait and Posture</i> , 2012, 35, 231-237.	0.6	14
71	A cross-sectional study about the relationship between morphology and kinematic parameters in children between 15 and 36 months. <i>Gait and Posture</i> , 2011, 34, 159-163.	0.6	12
72	Development of independent locomotion in children with a severe visual impairment. <i>Research in Developmental Disabilities</i> , 2011, 32, 2069-2074.	1.2	68

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73	Age-related changes in mechanical and metabolic energy during typical gait. <i>Gait and Posture</i> , 2010, 31, 495-501.	0.6	27
74	A cross-sectional study about the relationship between morphology and step-time parameters in children between 15 and 36 months. <i>Gait and Posture</i> , 2010, 32, 400-404.	0.6	13
75	Low vision affects dynamic stability of gait. <i>Gait and Posture</i> , 2010, 32, 547-551.	0.6	156
76	Effects of visual deprivation on intra-limb coordination during walking in children and adults. <i>Experimental Brain Research</i> , 2009, 198, 95-106.	0.7	20
77	Growth of segment parameters and a morphological classification for children between 15 and 36 months. <i>Journal of Anatomy</i> , 2009, 214, 79-90.	0.9	17
78	Visual deprivation leads to gait adaptations that are age- and context-specific: I. Step-time parameters. <i>Gait and Posture</i> , 2009, 30, 55-59.	0.6	48
79	Visual deprivation leads to gait adaptations that are age- and context-specific: II. Kinematic parameters. <i>Gait and Posture</i> , 2009, 30, 307-311.	0.6	70
80	Are excessive cocontractions during walking in children with cerebral palsy caused by spasticity?. <i>Gait and Posture</i> , 2009, 30, S16-S17.	0.6	1
81	P048 Development of locomotion in the blind: step-time parameters (STP). <i>Gait and Posture</i> , 2008, 28, S78.	0.6	0
82	Changes in Mechanical Control of Movement During the First 5 Months of Independent Walking: A Longitudinal Study. <i>Journal of Motor Behavior</i> , 2007, 39, 227-238.	0.5	3
83	Changes in foot-function parameters during the first 5 months after the onset of independent walking: a longitudinal follow-up study. <i>Gait and Posture</i> , 2006, 23, 142-148.	0.6	70
84	Changes in 3D joint dynamics during the first 5 months after the onset of independent walking: A longitudinal follow-up study. <i>Gait and Posture</i> , 2006, 24, 270-279.	0.6	77
85	3D joint dynamics of walking in toddlers. <i>Gait and Posture</i> , 2005, 22, 107-118.	0.6	101
86	Mechanical energy in toddler gait A trade-off between economy and stability?. <i>Journal of Experimental Biology</i> , 2004, 207, 2417-2431.	0.8	46
87	Pressure Distribution Patterns under the Feet of New Walkers: The First Two Months of Independent Walking. <i>Foot and Ankle International</i> , 2003, 24, 444-453.	1.1	61
88	Why Is Grandma Walking Strangely?. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	0